

CC specification, but was obtained in electronic format directly from WIPO
CC at ftp.wipo.int/pub/published_pot_sequences.

XX Sequence 412 AA;
SO
Query Match 99.48; Score 2134; DH 22; Length 412;
Best Local Similarity 99.54; Pos 58; 360-134;
Matches 377; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
QY 1 MAIKSAFFMAAIWRIILCLLALPAFAAGPPQDESLYIMIDAHQARVLIGPEEDILIVSE 60
Db 34 margsaatpaadaiwslilcllaltaraaqpqeeslylwidahqarvliqfeedilivse 93
QY 51 GKMAPEHDEPKAQORPAIPVNIHSMNFTWGAAGQAEYFYEFLSRLSDKGMADPTVN 120
Db 94 gkmqptlthtrkaqmpaisvaihsmnftwgaagqae fyefisrlsdkgjmadptvn 153
QY 121 VPLLSTVPHKASVVQVGFPGCLGKQDGVAAFEVDIVVMNSEGNTILOTPQNAIFPKTCQA 180
Db 154 vpllatvphkasyvqy:ifclgkqdgvaafevdivvmnsegntilqtpnaiffkicqga 213
QY 181 ECPGCRNGGPCNERICEPGEHGFHCEKALCTPPCMNGGLCVTPGFCICPPGYGVN 240
Db 214 ecpqcrnggpcnericepgehgfhcekalctppcmnggglcvtpgfcicppgygvn 273
QY 241 CDKANSTICENGSTCFYFSGKICLPPSGLEGEQCEISKCPQPCPNVGGKICGSKCKCKSGY 300
Db 274 cdkansticengstcfyfgskiclpplsgleqeceiskcpqpcpnvggkicgskckcksgy 333
QY 301 QSDKSKPVCEFGCGAHTCHPEPKCQCEGWHGPHCNKRYEASLIHALRPAGALRQHT 360
Db 334 qsdskskpvcefgcgahgtchepnkccqegwhgphcnkryeaslihalrpagaqlrqht 393
QY 361 PSIKKAEEERDPPESNYIW 379
Db 394 psikkaeerrdppesnyiw 412
RESULT 13
AAW88726
ID AAW88726 standard; Protein: 380 AA.
XX
XX AAW88726;
XX
XX 01-MAR-1999 (first entry)
XX
XX Secreted protein encoded by gene 10; clone HL8K94.
XX
XX Human: secreted protein; fusion protein; gene therapy; protein therapy;
KW diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;
KW developmental abnormality; foetal deficiency; blood; allergy; renal;
KW immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;
KW inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;
KW cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;
KW osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;
KW endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.
XX
XX Homo sapiens.
XX
XX W09854663-A2.
XX
XX 10-DEC-1998.
XX
XX 04-JUN-1998; 98W5-0S11422.
XX
XX 18-DEC-1997; 97US-0070923.
XX
XX 06-JUN-1997; 97US-0048877.
XX
XX 06-JUN-1997; 97US-0048881.
XX
XX 06-JUN-1997; 97US-0048884.
XX
XX 06-JUN-1997; 97US-0048893.
XX
XX 06-JUN-1997; 97US-0048896.
XX
XX 06-JUN-1997; 97US-0048899.
XX

QY 121 VPLLSTVPHKASVVQVGFPGCLGKQDGVAAFEVDIVVMNSEGNTILOTPQNAIFPKTCQA 180
Db 221 vpllatvphkasyvqy:ifclgkqdgvaafevdivvmnsegntilqtpnaiffkicqga 280
QY 181 ECPGCRNGGPCNERICEPGEHGFHCEKALCTPPCMNGGLCVTPGFCICPPGYGVN 240
Db 281 ecpqcrnggpcnericepgehgfhcekalctppcmnggglcvtpgfcicppgygvn 340
QY 241 CDKANSTICENGSTCFYFSGKICLPPSGLEGEQCEISKCPQPCPNVGGKICGSKCKCKSGY 300
Db 341 cdkansticengstcfyfgskiclpplsgleqeceiskcpqpcpnvggkicgskckcksgy 400
QY 301 QSDKSKPVCEFGCGAHTCHPEPKCQCEGWHGPHCNKRYEASLIHALRPAGALRQHT 360
Db 401 qsdskskpvcefgcgahgtchepnkccqegwhgphcnkryeaslihalrpagaqlrqht 460
QY 361 PSIKKAEEERDPPESNYIW 379
Db 461 psikkaeerrdppesnyiw 479
RESULT 12
AAO13884
ID AAO13884 standard; Protein: 412 AA.
XX
XX AAO13884;
XX
XX 06-NOV-2001 (first entry)
XX
XX Human polypeptide SEQ ID NO 27776.
XX
XX Human: cytokine; cell proliferation; cell differentiation; gene therapy;
KW vaccine; peptide therapy; stem cell growth factor; haematopoiesis;
KW tissue growth factor; immunomodulatory; cancer; leukaemia;
KW nervous system disorders; arthritis; inflammation.
XX
XX Homo sapiens.
XX
XX W0200164845-A2.
XX
XX 07-SEP-2001.
XX
XX 26-FEB-2001; 2001WO-US04927.
XX
XX 28-FEB-2000; 2000US-0515126.
XX
XX 18-MAY-2000; 2000US-0577409.
XX
XX (HYSE-) HYSEQ INC.
XX
XX Tanq YT, Liu C, Dermanac RT;
XX
XX WPI; 2001-514838/56.
XX
XX N-PSDB; AAI93815.
XX
XX Isolated nucleic acids and polypeptides, useful for preventing
XX diagnosing and treating e.g. leukaemia, inflammation and immune
XX disorders.
XX
XX Claim 20: SEQ ID NO 27776, 1399pp + Sequence Listing; English.
XX
XX The invention relates to human polynucleotides (AAI93841) and
XX the encoded proteins (AAO00010-AAO13910) that exhibit activity relating to
XX cytokine, cell proliferation or cell differentiation or which may induce
XX production of other cytokines in other cell populations. The
XX polynucleotides and polypeptides are useful in gene therapy, vaccines or
XX peptide therapy. The polypeptides have various cytokine-like activities,
XX e.g. stem cell growth factor activity, haematopoiesis regulating
XX activity, tissue growth factor activity, immunomodulatory activity and/or
XX activity/inhibit activity and may be useful in the diagnosis and/or
XX treatment of cancer, leukaemia, nervous system disorders, arthritis and
XX other diseases.
XX
XX Sequence data for this patent did not form part of the printed

PR	06-JUN-1997	97US-00489157
PR	06-JUN-1997	97US-00489144
PR	06-JUN-1997	97US-00489644
PR	06-JUN-1997	97US-0048972
PR	06-JUN-1997	97US-0049020
PR	06-JUN-1997	97US-0049375
PR	05-SEP-1997	97US-0057624
PR	05-SEP-1997	97US-0057644
PR	05-SEP-1997	97US-0057647
PR	05-SEP-1997	97US-0057650
PR	05-SEP-1997	97US-0057661
PP	05-SEP-1997	97US-0057697
PR	05-SEP-1997	97US-0057701
PR	05-SEP-1997	97US-0057704
PR	05-SEP-1997	97US-0057706
PR	05-SEP-1997	97US-0057707
PR	06-JUN-1997	97US-0057718
PR	06-JUN-1997	97US-0048875
PR	06-JUN-1997	97US-0048876
PR	06-JUN-1997	97US-0048882
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PR	06-JUN-1997	97US-0048900
PR	06-JUN-1997	97US-0048916
PR	06-JUN-1997	97US-0048942
PR	06-JUN-1997	97US-0048974
PR	06-JUN-1997	97US-0049373
PR	05-SEP-1997	97US-0057584
PR	05-SEP-1997	97US-0057629
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PR	05-SEP-1997	97US-0057645
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PR	05-SEP-1997	97US-0057651
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PR	05-SEP-1997	97US-0057762
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PR	05-SEP-1997	97US-0057771
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PR	06-JUN-1997	97US-0048876
PR	06-JUN-1997	97US-0048880
PR	06-JUN-1997	97US-0048942
PR	06-JUN-1997	97US-0048995
PR	06-JUN-1997	97US-0048998
PR	06-JUN-1997	97US-0049301
PR	06-JUN-1997	97US-0049317
PR	06-JUN-1997	97US-0048963
PR	06-JUN-1997	97US-0048971
PR	06-JUN-1997	97US-0049019
PR	05-SEP-1997	97US-0057627
PR	05-SEP-1997	97US-0057634
PR	05-SEP-1997	97US-0057643
PR	05-SEP-1997	97US-0057646
PR	05-SEP-1997	97US-0057654
PR	05-SEP-1997	97US-0057666
PR	05-SEP-1997	97US-0057760
PR	05-SEP-1997	97US-0057763
PR	05-SEP-1997	97US-0057769
PR	05-SEP-1997	97US-0057774
PR	05-SEP-1997	97US-0057777

(HUMA-) HUMAN GENOME SCI INC.

Brewer LA, Carter KC, Dillon PJ, Ebner FF, Endress GA;
Fan P, Feng P, Ferrie AM, Fischer CL, Florence C;
Florence K, Greene JM, Hu J, Kyaw H, Latleur DW;
Li Y, Moore PA, Ni J, Olsen HS, Rosen CA, Ruben SM;

[illegible]

Shi Y. Soppet DP, Wei Y, Young P, Yu C, Zeng Z, WFI, 1999-059865/05.
N-PSDE; AAV84603.

New isolated human genes and the secreted polypeptides they encode - useful for diagnosis and treatment of e.g. cancers, neurological disorders, immune diseases, inflammation or blood disorders

Claim 11; Page 579-580; 772pp; English.

The information relates to nucleic acid sequences (AAV64411 to AAV64533) encoding human secreted proteins (AAWR6534 to AAW8756). The secreted polypeptide gene sequences are deposited with the ATCC under deposit numbers AAW6534, 6535, 6536, 6537, 6538, 6539, 6540, 6541, 6542, 6543, 6544, 6545, 6546, 6547, 6548, 6549, 6550, 6551, 6552, 6553, 6554, 6555, 6556, 6557, 6558, 6559, 6560, 6561, 6562, 6563, 6564, 6565, 6566, 6567, 6568, 6569, 6570, 6571, 6572, 6573, 6574, 6575, 6576, 6577, 6578, 6579, 6580, 6581, 6582, 6583, 6584, 6585, 6586, 6587, 6588, 6589, 6590, 6591, 6592, 6593, 6594, 6595, 6596, 6597, 6598, 6599, 6600, 6601, 6602, 6603, 6604, 6605, 6606, 6607, 6608, 6609, 6610, 6611, 6612, 6613, 6614, 6615, 6616, 6617, 6618, 6619, 6620, 6621, 6622, 6623, 6624, 6625, 6626, 6627, 6628, 6629, 6630, 6631, 6632, 6633, 6634, 6635, 6636, 6637, 6638, 6639, 6640, 6641, 6642, 6643, 6644, 6645, 6646, 6647, 6648, 6649, 6650, 6651, 6652, 6653, 6654, 6655, 6656, 6657, 6658, 6659, 6660, 6661, 6662, 6663, 6664, 6665, 6666, 6667, 6668, 6669, 6670, 6671, 6672, 6673, 6674, 6675, 6676, 6677, 6678, 6679, 6680, 6681, 6682, 6683, 6684, 6685, 6686, 6687, 6688, 6689, 6690, 6691, 6692, 6693, 6694, 6695, 6696, 6697, 6698, 6699, 6700, 6701, 6702, 6703, 6704, 6705, 6706, 6707, 6708, 6709, 6710, 6711, 6712, 6713, 6714, 6715, 6716, 6717, 6718, 6719, 6720, 6721, 6722, 6723, 6724, 6725, 6726, 6727, 6728, 6729, 6730, 6731, 6732, 6733, 6734, 6735, 6736, 6737, 6738, 6739, 6740, 6741, 6742, 6743, 6744, 6745, 6746, 6747, 6748, 6749, 6750, 6751, 6752, 6753, 6754, 6755, 6756, 6757, 6758, 6759, 6760, 6761, 6762, 6763, 6764, 6765, 6766, 6767, 6768, 6769, 6770, 6771, 6772, 6773, 6774, 6775, 6776, 6777, 6778, 6779, 6780, 6781, 6782, 6783, 6784, 6785, 6786, 6787, 6788, 6789, 6790, 6791, 6792, 6793, 6794, 6795, 6796, 6797, 6798, 6799, 6800, 6801, 6802, 6803, 6804, 6805, 6806, 6807, 6808, 6809, 6810, 6811, 6812, 6813, 6814, 6815, 6816, 6817, 6818, 6819, 6820, 6821, 6822, 6823, 6824, 6825, 6826, 6827, 6828, 6829, 6830, 6831, 6832, 6833, 6834, 6835, 6836, 6837, 6838, 6839, 6840, 6841, 6842, 6843, 6844, 6845, 6846, 6847, 6848, 6849, 6850, 6851, 6852, 6853, 6854, 6855, 6856, 6857, 6858, 6859, 6860, 6861, 6862, 6863, 6864, 6865, 6866, 6867, 6868, 6869, 6870, 6871, 6872, 6873, 6874, 6875, 6876, 6877, 6878, 6879, 6880, 6881, 6882, 6883, 6884, 6885, 6886, 6887, 6888, 6889, 6890, 6891, 6892, 6893, 6894, 6895, 6896, 6897, 6898, 6899, 6900, 6901, 6902, 6903, 6904, 6905, 6906, 6907, 6908, 6909, 6910, 6911, 6912, 6913, 6914, 6915, 6916, 6917, 6918, 6919, 6920, 6921, 6922, 6923, 6924, 6925, 6926, 6927, 6928, 6929, 6930, 6931, 6932, 6933, 6934, 6935, 6936, 6937, 6938, 6939, 6940, 6941, 6942, 6943, 6944, 6945, 6946, 6947, 6948, 6949, 6950, 6951, 6952, 6953, 6954, 6955, 6956, 6957, 6958, 6959, 6960, 6961, 6962, 6963, 6964, 6965, 6966, 6967, 6968, 6969, 6970, 6971, 6972, 6973, 6974, 6975, 6976, 6977, 6978, 6979, 6980, 6981, 6982, 6983, 6984, 6985, 6986, 6987, 6988, 6989, 6990, 6991, 6992, 6993, 6994, 6995, 6996, 6997, 6998, 6999, 7000, 7001, 7002, 7003, 7004, 7005, 7006, 7007, 7008, 7009, 7010, 7011, 7012, 7013, 7014, 7015, 7016, 7017, 7018, 7019, 7020, 7021, 7022, 7023, 7024, 7025, 7026, 7027, 7028, 7029, 7030, 7031, 7032, 7033, 7034, 7035, 7036, 7037, 7038, 7039, 7040, 7041, 7042, 7043, 7044, 7045, 7046, 7047, 7048, 7049, 7050, 7051, 7052, 7053, 7054, 7055, 7056, 7057, 7058, 7059, 7060, 7061, 7062, 7063, 7064, 7065, 7066, 7067, 7068, 7069, 7070, 7071, 7072, 7073, 7074, 7075, 7076, 7077, 7078, 7079, 7080, 7081, 7082, 7083, 7084, 7085, 7086, 7087, 7088, 7089, 7090, 7091, 7092, 7093, 7094, 7095, 7096, 7097, 7098, 7099, 7100, 7101, 7102, 7103, 7104, 7105, 7106, 7107, 7108, 7109, 7110, 7111, 7112, 7113, 7114, 7115, 7116, 7117, 7118, 7119, 7120, 7121, 7122, 7123, 7124, 7125, 7126, 7127, 7128, 7129, 7130, 7131, 7132, 7133, 7134, 7135, 7136, 7137, 7138, 7139, 7140, 7141, 7142, 7143, 7144, 7145, 7146, 7147, 7148, 7149, 7150, 7151, 7152, 7153, 7154, 7155, 7156, 7157, 7158, 7159, 7160, 7161, 7162, 7163, 7164, 7165, 7166, 7167, 7168, 7169, 7170, 7171, 7172, 7173, 7174, 7175, 7176, 7177, 7178, 7179, 7180, 7181, 7182, 7183, 7184, 7185, 7186, 7187, 7188, 7189, 7190, 7191, 7192, 7193, 7194, 7195, 7196, 7197, 7198, 7199, 7200, 7201, 7202, 7203, 7204, 7205,

Sequence 380 AA;

Query Match	99.0%	Score 2127;	DB 20,	Length 380;
Best Local Similarity	99.5%;	Pred. No. 6.9e-134;		
Matches 377; Conservative	0;	Mismatches 2;	Indels 0;	Gaps 0;

QY	1	MARRSAFPAALWLSILLCLLALRAEAGPQESLYIWIDAHQARVLIGFEEDILIVSE	60
Db	1	marrsafpaaalwlsillcllalaraeagppqeeslylwidahqarvligfeedilivse	60

61 GKMAPETHDFRKAQQRPAIPVNIHSMNFTWQAQGAQAEYFYEFSLSLRSLDKGIMADPTVN 120
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61 gkmapfthdfrkkaqrmpaipvnihsnmftwaaqaqaeyfyfslslslldkqimadptvn 120

[illegible]

181 ECPGGCRNGFCNERICECPDGHGHPHCEKALCTPRCMNGGLCVTPGFCICPPGFGVN 240
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181 ecpggcrnggfcnericecpdghgphphekalctprcmngglcvtpgfcicppgfgvn 240
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241	CEKANCSTTCFNGGTCTFYPGKICPPGIGEGEQ ^{CT} ETSKCPQPCPNGGKCI GSKCKCKSGY	300
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301 QGGLCSKPVCEPGCGAHGTGTHFENKQVLPFGWHSPHCNKRYEASLIHALRPAGAQLRQHT 360
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301 qgglcskpvcepgcgahgtchfepnkqvlpfgwhspchcnkryeaslihalrpagaqlrqht 360

361 PS1KKAERDDPPESNYIW 379
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361 ps1kkaerddppesnyiw 379
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